

EUSPA Annual Activity Report 2021

EXECUTIVE SUMMARY



EUSPA in 2021

2 021 was a year of change. In May, the EU Agency for the Space Programme (EUSPA) was created from the former European GNSS Agency (GSA). And it was more than a change in name, as the change came with new tasks and responsibilities.

In addition to overseeing the security, services and market uptake of Galileo and EGNOS, EUSPA's mandate now includes Security Accreditation for all components of the programme, promoting Copernicus downstream data and services as well as important tasks in GOVSATCOM.

Even with its expanded mandate and new responsibilities, EUSPA's mission remains the same: linking space to user needs.

New agency, new responsibilities

- The adoption of the EU Space Regulation on 27 April marks a new beginning for the EU Space Programme.
- EUSPA takes on increased responsibilities in terms of EGNOS and Galileo exploitation management, service provision and operational security.
- Coordinates the first-phase development of the EU Governmental Satellite Communications programme (GOVSATCOM).
- Promotes the commercial market uptake of Copernicus data, information and services, including actions dedicated to entrepreneurship and innovation.
- The agency is charged with the security accreditation of all the EU Space Programme's components.



2021 highlights

- Opening events to introduce the newly established EU Space Programme, EUSPA and how both support European policies like the Green Deal and digital transition.
- Significant progress on two new Galileo services, the High Accuracy Service (HAS) for high accuracy Precise Point Positioning (PPP) corrections, and the Open Service Navigation Message Authentication (OSNMA), which will provide receivers with a first level of protection against falsifying and spoofing.
- Galileo satellites 27 and 28 are successfully launched from the European Spaceport in Guyana, with EUSPA managing the new satellites from its Galileo Control Centre (GCC) in Oberpfaffenhofen, Germany and Fucino, Italy.
- The Security Accreditation Board (SAB) for the new EU Space Programme and subordinate bodies is established.
- Despite the ongoing COVID-19 pandemic, all EUSPA operations remain intact and ongoing.

2021 at a glance

PROMOTING MARKET UPTAKE

- EUSPA takes steps to further accelerate the uptake of Earth Observation (EO) and GNSS data across industries.
- Launch of #myEUspace competition, which challenges entrepreneurs to fuse GNSS and EO data with emerging technologies like AI and quantum computing to develop innovative, ecological and digital solutions, and round-up of the MyGalileo competitions
- Support to the CASSINI programme, the European Commission's EUR 1 billion initiative to support entrepreneurs, start-ups and SMEs developing innovative applications and services that leverage the EU Space Programme via the organisation of hackathons.
- Continued development of Fundamental Elements such as Galileo-enabled chipsets and receivers.

ENHANCING THE PROGRAMME

Galileo

- OSNMA public observation phase started
- HAS Info Note published
- Declaration of the Galileo Public Regulated Service (PRS) Initial Service Update.

EGNOS

- Secure payload development of EGNOS GEO-4, an important element in the transition to EGNOS Version 3 (V3).



- Award of a new contract relating to the EGNOS System Release 2.4.3, ensuring service continuity until EGNOS V3 is declared operational in 2026-27.
- Celebrated the 10th anniversary of EGNOS Safety of Life service and the best service performance ever.

Copernicus

- Definition of a market uptake strategy and market segmentation to better exploit Copernicus and its synergies with other components of the space programme.
- Coordination with the Copernicus Entrusted Entities on the development of new markets.
- Design of preliminary roadmap for the adoption of Copernicus data in aviation and drones.

GOVSATCOM

- Ramp-up of preparatory activities for GOVSATCOM, including GOVSATCOM hub procurement.

STRENGTHENING THE COMPONENTS

- Performed successful avoidance manoeuvre to eliminate the risk of collision between a Galileo satellite and an inert Ariane 4 upper stage launched in 1989.
- SAB is actively involved in discussions on new launch security governance, ultimately providing the Approval to Launch #11, which successfully took place in December.
- Upgraded both the Galileo and EGNOS ground segments and inauguration of GCC works in Fucino, Italy.
- Worked with the Galileo Service Operator to orchestrate operations for Launch #11 from the GCC in Germany with our industrial and institutional partners.

RAISING AWARENESS

- Introduced new logo, branding, website and corporate communication materials to reflect the new Agency and its expanded role.
- Promoted EU Space at live and virtual events and congresses covering a wide range of user segments.

ADMINISTERING THE AGENCY

Procurement

- Concluded EUSPA support tender with 11 lots established relating to operational activities.

Finance

- Managed a core budget of EUR 57M, along with a total of EUR 6.3 billion in delegated budget.
- Carried out over 4000 financial transactions, which corresponds to a 7% increase over 2020.
- 99% of all payments were made within the applicable time limit, with an average payment time of 18 days.

ENSURING THE SECURITY ACCREDITATION OF THE EU SPACE PROGRAMME

- Maintained the authorisation of Galileo initial services.
- Authorised the OSNMA public observation phase.
- Oversaw site security assurance of remote stations located outside the EU.

AMRO2021 – Arctic Mass Rescue Operation; a full-scale live exercise organized by the Norwegian authorities



EUSPA

by numbers

- Accepted **3 536** applications, conducted **277** first-round and **106** final-round interviews and hired **57** staff.
- The number of Galileo users worldwide surpassed the **2.5 billion** mark.
- Over **600** applications (**2000+** entrepreneurs) in the MyGalileo competition series.
- Over **120** articles and **11** press releases (some in EU27 languages) published on the new EUSPA website and promoted via rebranded social media feeds.
- Launched a new Horizon Europe call worth **EUR 33 million** and designed to include Galileo, EGNOS and, for the first time, Copernicus.
- Total expenditure on staff costs was **EUR 27 million**, other costs for the functioning of the Agency amounted to **EUR 11 million** and expenditure on operational costs was **EUR 20 million**.
- **138** EU bodies have valid SAB authorisation for developing or manufacturing PRS technology in three different categories.



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LINKING SPACE TO USER NEEDS

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